(ReL7	1-6/97	Pub.605)

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Practitioner's Docket No	PATENT
COMBINED DECLARATION AND POWER OF A	TTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEME CONTINUATION OR C-I-P)	NTAL, DIVISIONAL,
As a below named inventor, I hereby declare that:	
TYPE OF DECLARATION	
This declaration is of the following type:	
(check one applicable item below)	
original.	
design.	
supplemental.	
NOTE: If the declaration is for an International Application being filed as a continuation-in-part application, do not check next item; check appropriational stage of PCT. NOTE: If one of the following 3 items apply, then complete and also attach ADDER CONTINUATION OR C-I-P.	te one of last three items.
☐ divisional.	·
Continuation.	
continuation-in-part (C-!-P).	
INVENTORSHIP IDENTIFICATION	
WARNING: If the inventors are each not the inventors of all the claims, an explan the ownership of all the claims at the time the last claimed invention was	made, should be submined
y residence, post office address and citizenship are as stated belonelieve that I am the original, first and sole inventor (if only one nate original, first and joint inventor (if plural names are listed below) at its claimed, and for which a patent is sought on the invention of	ow, next to my name. me is listed below) or
TITLE OF INVENTION	
OPTICAL ANTENIA ARRAY FOR HARMONIC GENE AND SIGNAL AMPLIFICATION	MIXING MIXING
AND SIGNAL AMPLIFICATION	//

SPECIFICATION IDENTIFICATION

the spec	ecification of which:	
	(complete (a), (b) or (c))	•
(a) 🔯	is attached hereto.	
	"The following combinations of information supplied in an eath or filing date with a specification are acceptable as minimums for identify with any one of the items below will be accepted as complying with a co	lying a specification and compliance
·	"(1) name of inventor(s), and reference to an attached s to the oath or declaration at the time of execution and sub on filing;	pecification which is both attached mitted with the oath or declaration
	"(2) name of inventor(s), and attorney docket number while or	ch was on the specification as filed;
	"(3) name of inventor(s), and title which was on the sp	ecification as filed."
,	Notice of July 13, 1995 (1177 O.G. 60).	
(ċ)	was filed on, as □ S or □, as □ S	Serial No. 0 /
	and was amended on (if appli	cable).
	Amendments filed after the original papers are deposited with the not accorded a filing date by being referred to in the declaration. Accare those filed with the application papers or, in the case of a stamenoments claiming matter not encompassed in the original sta 37 CFR 1.67.	cordingly, the amendments involved upplemental declaration, are those
	The following combinations of information supplied in an oath or are acceptable as minimums for identifying a specification and color will be accepted as complying with the identification require	mpliance with any one of the items
	"(1) name of inventor(s), and application number (consist number; e.g.,08/123,456);	ing of the series code and the serial
	"(2) name of inventor(s), serial number and filing date;	
	"(3) name of inventor(s) and attorney docket number whi	ch was on the specification as filed;
	(4) name of inventor(s), title which was on the specific	cation as filed and filing date;
	"(5) name of inventor(s), title which was on the specifi attached specification which is both attached to the oath or and submitted with the oath or declaration; or	
·	"(6) name of inventor(s), title which was on the specific a cover letter accurately identifying the application for wapplication number (consisting of the series code and the serial number and filing date. Absent any statement(s) to the the application filed in the PTO is the application which to the oath or declaration."	thich it was intended by either the senal number; e.g.,08/123,456), or ne contrary, it will be presumed that
	Notice of July 13, 1995 (1177 O.G. 60).	
(c) 🗆	was described and claimed in PCT Internet, filed on	
	amended under PCT Article 19 on	
	1	
-		: ,
	(Declaration and Pov	ver of Attorney [1-1]—page 2 of 7)

18(17) -(-0) Puh (A)) FORM 1-1 1_A

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

	(also check the following items, if desired)
M	and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would conside it important in deciding whether to allow the application to issue as a patentiand
	in compliance with this duty, there is attached an information disclosur statement, in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d)		no such applications have been filed.
(e)		such applications have been filed as follows.
NOT	E: V	Vivere item (c) is entered above and the International Application which designated the U.S. itself claimed monty check item (e), enter the details below and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
	* *		☐YES NO ☐
			☐ YES NO ☐
			☐ YES NO ☐
			☐ YES NO ☐
	·		☐ YES NO ☐
CLAIM FOR	BENEFIT OF PRIOR U.S. (34 U.S.C.	S. PROVISIONAL A	APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER.

PART (C-I-P) APPLICATION.

		FIEING DATE
<u>((()</u>		JANUARY 16, 1997
	_ /	
	CLAIM FOR BENEFIT OF EARLIER US UNDER 35 U.S.C.	5/PCT APPLICATION(S) 120
• :	☐ The claim for the benefit of any suc attached ADDED PAGES TO COMBINE	h applications are set forth in the ED DECLARATION AND POWER OF

ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN

(Declaration and Power of Attorney [1-1]-page 4 of 7)

							
						<u> </u>	
	the basis for this divisional, or cor AND POWER O	filed more than 12 as application enterination-in-part, the ATTORNEY FOR application	ng the United S nen also compl DIVISIONAL, (States as (1) the lete ADDED PAC CONTINUATION	national stage, o GES TO COMBII	or (2) a conti NED DECLA	nuation, RATION
		POW	ER OF AT	TORNEY			
		e following pra- itent and Trade				ion and tr	ansact
•		(list name	and registr	ation numbe	er)	•	
	Do	WALD N	HALGREN	Rec 4	27056		
	06	EN J. ME	EGAN	REG #	19643		
	/	(check the	following ite	m, if applica	able)	<i>:</i>	
	vided belo	opoint the practive to prosecuted Trademark Of	this applic	ation and to	transact all		
		as part of this ove-named practive(s).					
SEND CO	RRESPONDE				ECT TELEPHO		
⊠ · <i>:</i>	Address	Robert J. 64 PURITURY SCOBURY	LANE	·	ame and telep BLB CR 978-44 978-440	ومسانقا	VOICE
					7,0 7,0		
		Number			• • • •	٠.	

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other Full name of sole or first inventor CROWLEY RUDERT FAMILY (OR LAST NAME) (GIVEN NAME) Inventor's signature Date DKCZMBER 10, 1997 Country of Citizenship : PURITAN LANE Residence __ SUDBURY 01776 Post Office Address. Full name of second joint inventor, if any (GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME) Inventor's signature Country of Citizenship Residence ____ Post Office Address __ Full name of third joint inventor, if any (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME) Inventor's signature _____ Country of Citizenship. Date ____ Residence ___

Post Office Address ___

(Declaration and Power of Attorney [1-1]—page 6 of 7

(check proper box(es) for any of the following added page(s) that form a part of this declaration)

	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	• • •
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
, 	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	• • •
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application. □ Number of pages added
	Authorization of practitioner(s) to accept and follow instructions from representative.
	• • •
t	(if no further pages form a part of this Declaration, hen end this Declaration with this page and check the following item)
:	This declaration ends with this page.
	•

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11	THE ONLED BINIES INTERIORED AND DESCRIPTION OF SERVICE
Applicant	Robert J. Crowley
Serial No.:	60/036,085
Filed:	January 16, 1997
For:	OPTICAL ANTENNA ARRAY FOR HARMONIC GENERATION, MIXING, AND SIGNAL AMPLIFICATION
	TIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY TATUS (37 CFR 1.9(f) and 1.27(b))-INDEPENDENT INVENTOR
1.9(c) for purposes the Patent and Tra HARMONIC GEN	inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, to demark Office with regard to the invention entitled OPTICAL ANTENNA FOR NERATION, MIXING, AND SIGNAL AMPLIFICATION
described in	
\boxtimes	the specification filed herewith.
\boxtimes	application serial no. 60/036,085, filed January 16, 1997.
	patent no, issued
assign, grant, convindependent invent	d, granted, conveyed or licensed and am under no obligation under contract or law to rey or license, any rights in the invention to any person who could not be classified as an or under 37 CFR 1.9(c) if that person had made the invention, or to any concern which as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under
Each person, conc an obligation unde below:	ern or organization to which I have assigned, granted, conveyed, or licensed or am under contract or law to assign, grant, convey, or license any rights in the invention is listed
· 🛛	no such person, concern, or organization
	persons, concerns, or organizations listed below*
•NOTE:	Separate verified statements are required for each named person, concern or organization having rights to the invention averring to their status as small entities (37 CFR 1.27).
	·

	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Verified Statement (Declaration) Claiming Small Entity Independent Inventor Page 2 NAME ADDRESS	Status (37 CFR 1.9(f) and 1.27(b))
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCE	RN NONPROFIT ORGANIZATION
NAME ADDRESS	
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCE	RN NONPROFIT ORGANIZATION
I acknowledge the duty to file, in this application of resulting in loss of entitlement to small entity status earliest of the issue fee for any maintenance fee due business entity is no longer appropriate. (37 CFR III) I hereby declare that all statements made herein of statements made on information and belief are belief	s prior to paying, or at the time of paying, the after the date on which status as a small 1.28(b)). my own knowledge are true and that all
statements were made with the knowledge that will punishable by fine or imprisonment, or both, under Code, and that such willful false statements may jee patent issuing thereon, or any patent to which this	Iful false statements and the like so made are. Section 1001 of Title 18 of the United States opardize the validity of the application, any
statements were made with the knowledge that will punishable by fine or imprisonment, or both, under Code, and that such willful false statements may jee	Iful false statements and the like so made are. Section 1001 of Title 18 of the United States opardize the validity of the application, any
statements were made with the knowledge that will punishable by fine or imprisonment, or both, under Code, and that such willful false statements may jee patent issuing thereon, of any patent to which this varieties of the control	Iful false statements and the like so made are. Section 1001 of Title 18 of the United States opardize the validity of the application, any
punishable by fine or imprisonment, or both, under Code, and that such willful false statements may jet patent issuing thereon, of any patent to which this value of the code	Iful false statements and the like so made are Section 1001 of Title 18 of the United States opardize the validity of the application, any verified statement is directed.
punishable by fine or imprisonment, or both, under Code, and that such willful false statements may jee patent issuing thereon, of any patent to which this value of I. Crowley	Iful false statements and the like so made are Section 1001 of Title 18 of the United States opardize the validity of the application, any verified statement is directed.

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